

Patent Abstracts of Japan

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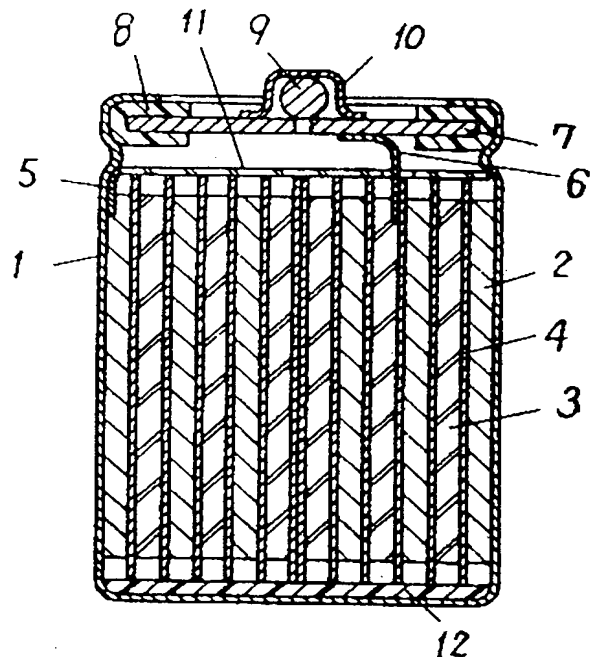
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TITLE : MANUFACTURING METHOD OF ZINC
 NEGATIVE ELECTRODE



ABSTRACT : PURPOSE: To provide a long life secondary battery through a means with improved paste coating efficiency by kneading a zinc negative electrode active material with a binder etc. and water to form a primary paste which is then aged and further kneaded with water.

CONSTITUTION: A battery comprises a battery case 1 containing a bottom insulation plate 12 therein and having a positive electrode 2, a separator 4 and a zinc negative electrode 3 contained therein and filled with electrolyte, a top insulating plate 11 arranged on top of electrodes, said case being sealed via a gasket 8 with a seal plate 7 having a cap 10 welded thereto, said cap pressing a safety valve rubber member 9 against the seal plate, said zinc negative electrode 3 being made by kneading zinc oxide and a mixture of zinc, polyvinylalcohol binder and mono-filament reinforcing material with water to form a primary paste which is then aged and further kneaded to make a secondary paste having a paste density of 1.8~2.7g/cc which is coated on a collector plate and dried.

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